

WZ3-Mk2 Effects MIDI Specification

MIDI Channel Selection

Hold down the BANK key during power on. The desk displays the current MIDI channel on the FX indicator LEDs (Bank LED indicates >8). The SEL key cycles through all possible MIDI channel settings whilst BANK is held. LEDS off indicates MIDI disabled.

A single green LED indicates channel (LED 1 indicated MIDI channel 0x00). The Bank LED indicates channels 0x08-0x0F.

All LEDS on indicates Omni mode.

Release keys and Bank LED will flash twice to confirm action is complete.

The following notation is used:

0xnn, nn is a hex number

0xcc, cc is a continuous controller number (hex)

0xvv, vv is a note velocity (in hex)

0xnm, m is the MIDI channel (hex digit 0-F)

1.1. Mute

Note on messages:

0x9m 0xnn 0xvv

If vv > 0x3F then Mute, else UnMute

nn = 0x20 Aux 5

nn = 0x21 Aux 6

nn = 0x22 Both

MIDI mutes are cleared by a power cycle

1.2. “Front Panel Controls”

Program change messages

0xCm 0xnn

nn = 0x70 Disable Front Panel

nn = 0x72 Enable Front Panel

nn = 0x79 BANK key (toggle bank)

Front panel is enabled by a power cycle

1.3. Program Recall

Program change messages
0xCm 0xnn

FX BUS	EFFECTS	0xnn
SINGLE MODE (AUX 5)	VOCAL PLATE	10
	SLAP REVERB	11
	CLASSIC PLATE	12
	BRIGHT PLATE	13
	PERC PLATE	14
	LARGE ROOM	15
	HALL + STAGE	16
	CONCERT HALL	17
	ST CHORUS	18
	FLANGER	19
	ST DOUBLER	1A
	2 TAP DELAY	1B
	SLAP DELAY	1C
	VOCAL DELAY	1D
	ST DELAY	1E
	KARAOKE	1F
	DUAL MODE AUX 5	VOCAL PLATE
SLAP REVERB		01
CLASSIC PLATE		02
BRIGHT PLATE		03
PERC PLATE		04
LARGE ROOM		05
HALL + STAGE		06
CONCERT HALL		07
DUAL MODE AUX 6	ST CHORUS	08
	FLANGER	09
	ST DOUBLER	0A
	2 TAP DELAY	0B
	SLAP DELAY	0C
	VOCAL	0D

	CLASSIC PLATE	0E
	CONCERT HALL	0F

Program recall is persistent through a power cycle unless the front panel is disabled at the time.

1.4. Program Save

FX changes will not be retained after a power cycle unless saved.

Note on message:

0x9m 0xnn 0x7F

nn = 0x30 Dual Mode Aux 5
nn = 0x31 Dual Mode Aux 6
nn = 0x32 Single Mode Aux 5

1.5. Program Default

Note on message:

0x9m 0xnn 0x7F

nn = 0x34 Dual Mode Aux 5
nn = 0x35 Dual Mode Aux 6
nn = 0x36 Single Mode Aux 5

Sets defaults for the current effect you are on

1.6. Parameter Change

EFFECTS	FX TYPE	FX PARAMETERS	RANGE / UNITS	PARAMETER NUMBER
VOCAL PLATE SLAP REVERB CLASSIC PLATE BRIGHT PLATE PERCUSSIVE PLATE LARGE ROOM CONCERT HALL	PLATE	PREDELAY	0-170 ms	PARAMETER 1
		DECAY TIME	0.1-10 s	PARAMETER 2
		HF DECAY	2-20 kHz	PARAMETER 3
		HF CUT	2-20 kHz	PARAMETER 4
HALL + STAGE	HALL	PREDELAY	0-170 ms	PARAMETER 1
		DECAY TIME	0.1-10 s	PARAMETER 2
		HF DECAY	2-20 kHz	PARAMETER 3
		HF CUT	2-20 kHz	PARAMETER 4
2 TAP DELAY SLAP DELAY VOCAL DELAY STEREO DELAY KARAOKE	DELAY	DELAY LEFT	5-680 ms	PARAMETER 1
		DELAY RIGHT	5-680 ms	PARAMETER 2
		REGEN	Regen 1-20	PARAMETER 3
		DAMPING FQ	1-20 kHz	PARAMETER 4
FLANGER	FLANGER	LFO SPEED	5-20 ms	PARAMETER 1
		DEPTH	1-20	PARAMETER 2
		REGEN	1-20	PARAMETER 3
		LFO TYPE SELECT	1-4	PARAMETER 4
STEREO CHORUS	CHORUS	LFO SPEED	3.5-20 ms	PARAMETER 1
		DEPTH	1-20	PARAMETER 2
		TYPE	A / B	PARAMETER 3
		LFO SELECT	1-4	PARAMETER 4
STEREO DOUBLER	DOUBLER	PREDELAY	1-20	PARAMETER 1
		DEPTH	1-20	PARAMETER 2
		PAN SPEED	1-20	PARAMETER 3
		PAN DEPTH	0-20	PARAMETER 4

Parameter change uses Continuous Controller codes:

0xBm 0xcc 0xnn

0xcc is the parameter ID

nn can range from 0 (min) to 7F (max).

FX BUS	EFFECTS	PARAMETER NUMBER (4 PER EFFECT)	PARAMETER ID (0xcc number)
SINGLE MODE (AUX 5)	VOCAL PLATE SLAP REVERB CLASSIC PLATE BRIGHT PLATE PERC PLATE LARGE ROOM HALL + STAGE CONCERT HALL ST CHORUS FLANGER ST DOUBLER 2 TAP DELAY SLAP DELAY VOCAL DELAY ST DELAY KARAOKE	PARAMETER 1	0x4B
		PARAMETER 2	0x4C
		PARAMETER 3	0x4D
		PARAMETER 4	0x4E
DUAL MODE AUX 5	VOCAL PLATE SLAP REVERB CLASSIC PLATE BRIGHT PLATE PERC PLATE LARGE ROOM HALL + STAGE CONCERT HALL	PARAMETER 1	0x5B
		PARAMETER 2	0x5C
		PARAMETER 3	0x5D
		PARAMETER 4	0x5E
DUAL MODE AUX 6	ST CHORUS FLANGER ST DOUBLER 2 TAP DELAY SLAP DELAY VOCAL CLASSIC PLATE CONCERT HALL	PARAMETER 1	0x46
		PARAMETER 2	0x47
		PARAMETER 3	0x48
		PARAMETER 4	0x49